MATH 3375 (Theory of Cryptology) – Fall 2013

Homework Assignment 3

Due: October 3

1. From Section 1.6, do Exercises 3.

2. Decrypt the following:

   FVB DPSS IL OHBUALK YLZBTLK AOL NOVZA IF AOYLL ZW-
   PYPAZ

   What method was used, and what was the key?

3. Decrypt the following:

   BFG VQTOG FQDPKUMG XQYG UX PT NGEIVV OTGA LQVG
   BU BFG JGTI VWLK QDP BFGTG YQMG Q HVQYEDGKK QHUSB
   FWK GIGK

   What method was used, and what was the key?

4. Decrypt the following:

   YO WNABRBJ PCY UKB OBRU FE UKBRB HBCUWBZBC KPANCH
   PRTBY ZB UF DONUB YFDC UKB DKFWB IPOUNVXWPOR PS-
   FXU UOBPRXOP NRWPCY EOFZ IKB SBHNCCNCH UF UKB BCY
   TBBINCH CFUKNCH SPVT SXU UKB SBPONCHR FE UKB NRW-
   PCY

   What method was used, and what was the key?

5. For questions 2, 3, and 4, identify which novel the quote comes from.